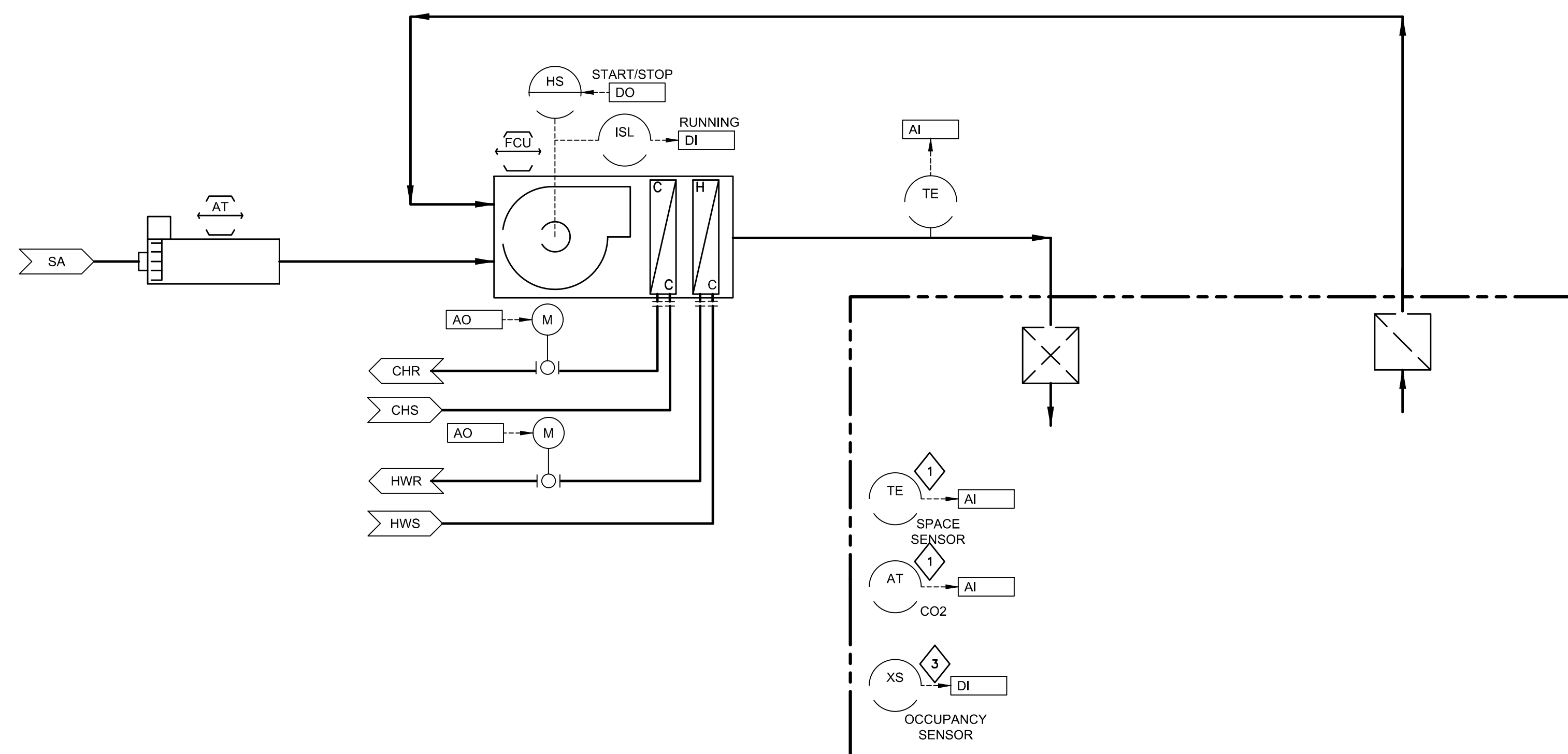
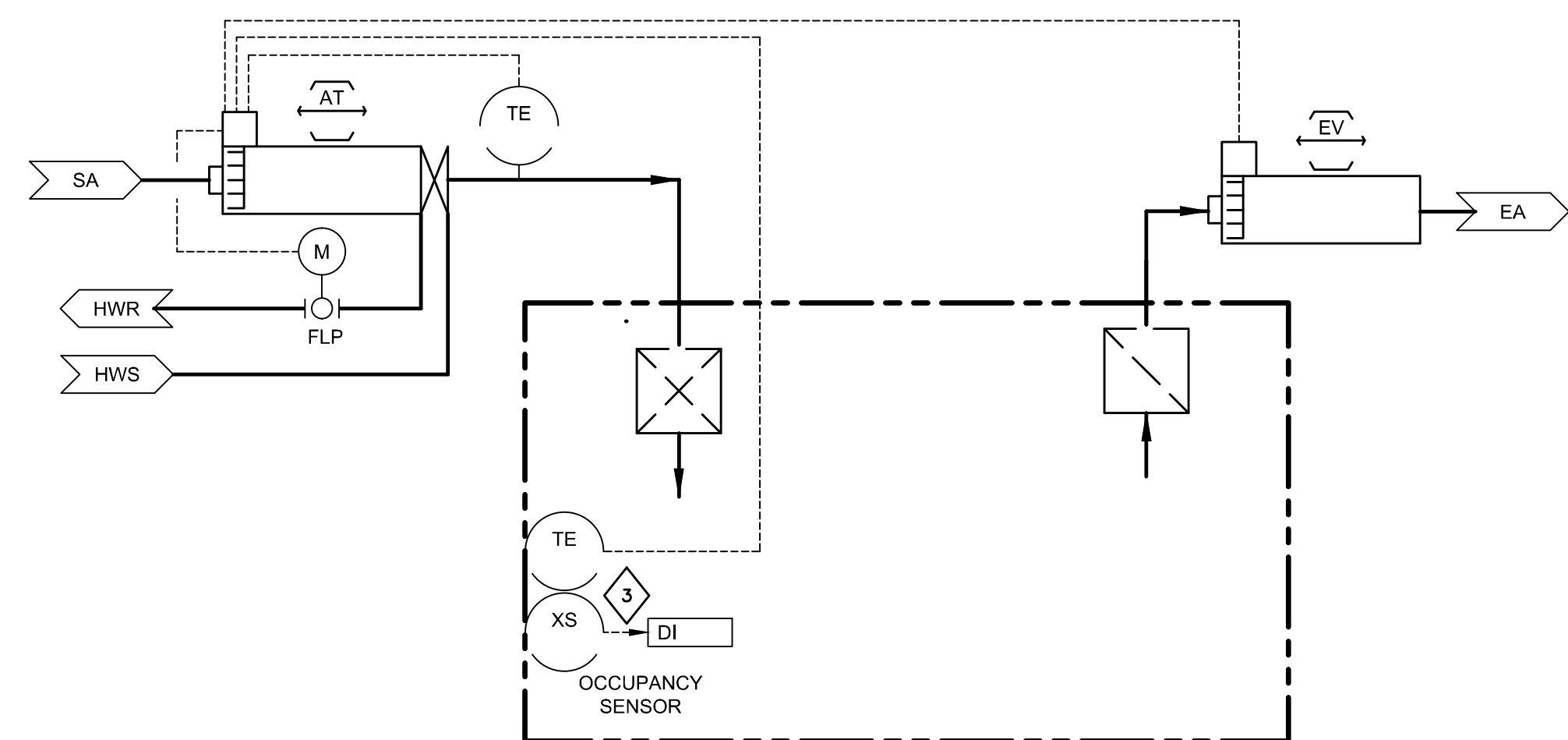


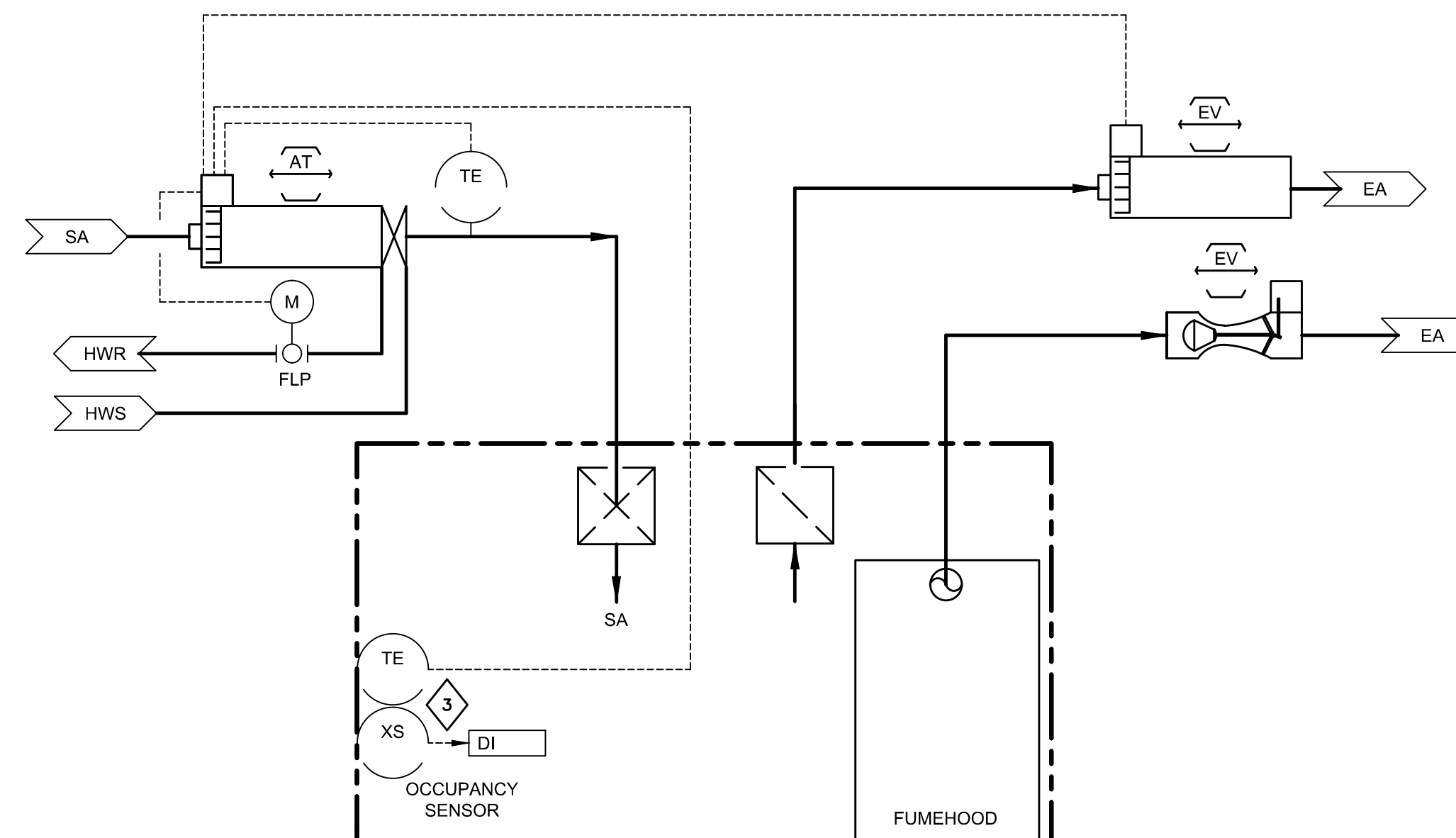
1 AIR TERMINAL SEQUENCE #1 - CONSTANT VOLUME SUPPLY W/ REHEAT AND ACTIVE CHILLED BEAM
SCALE: NONE



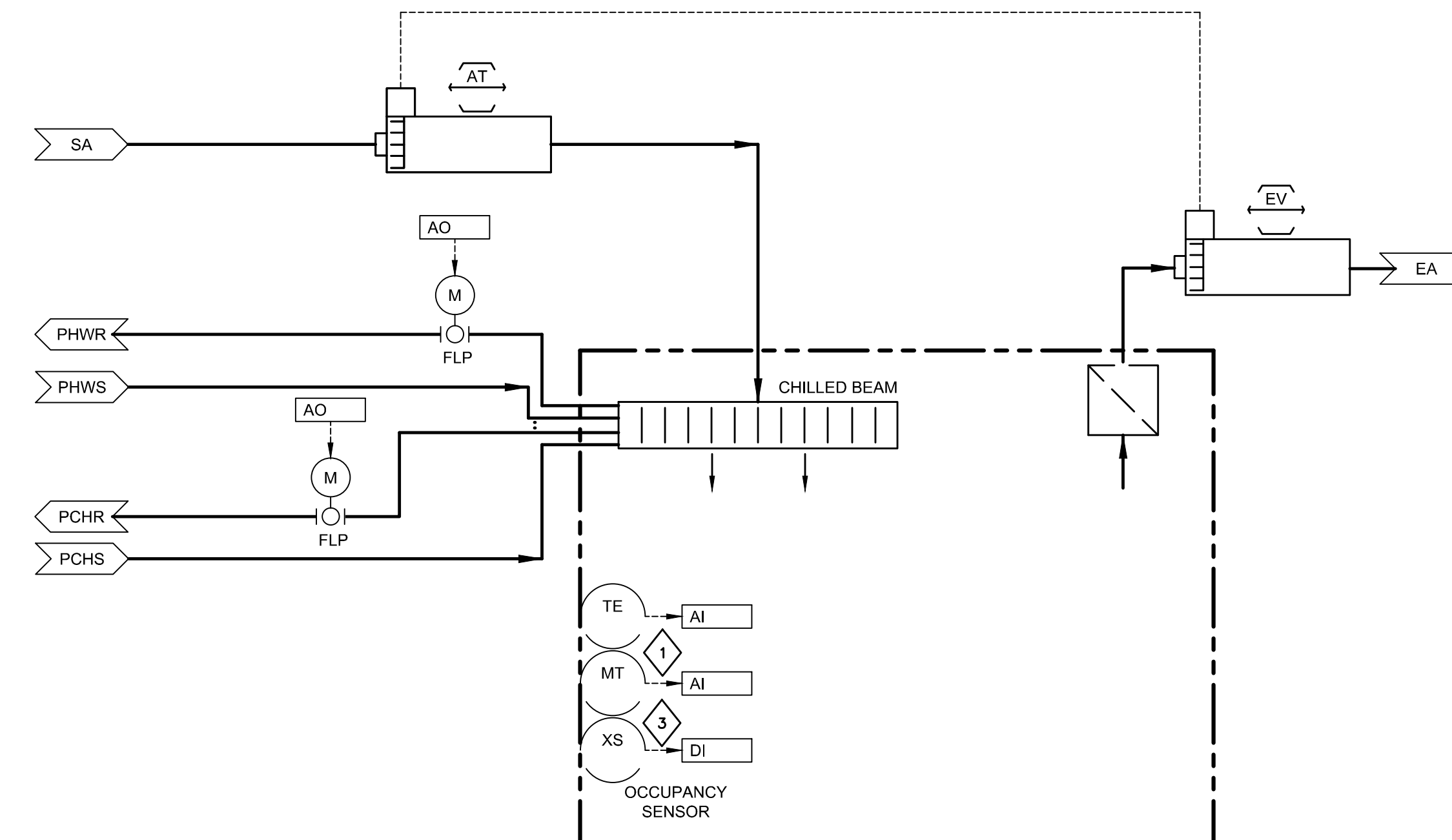
2 AIR TERMINAL SEQUENCE #2 - VARIABLE VOLUME SUPPLY AIR TERMINAL SERVING FCU
SCALE: NONE



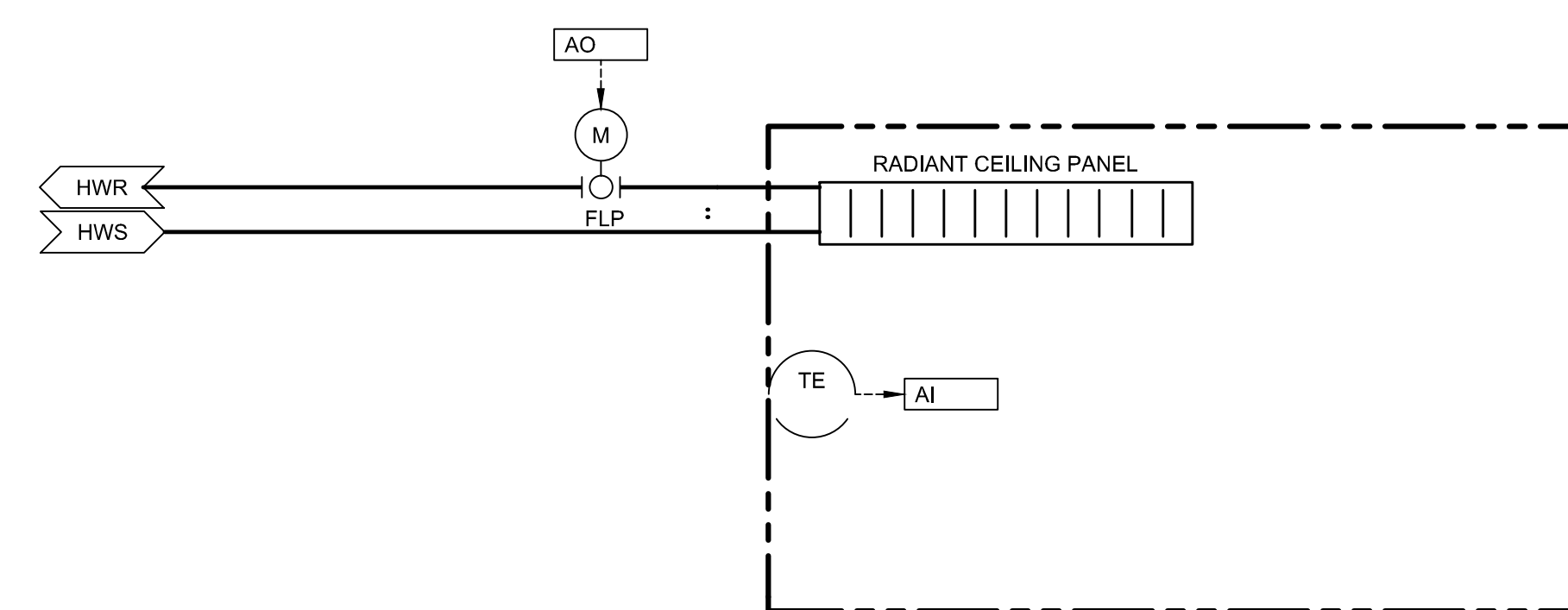
3 AIR TERMINAL SEQUENCE #3 - CONSTANT VOLUME SUPPLY W/ REHEAT AND CONSTANT VOLUME EXHAUST
SCALE: NONE



4 AIR TERMINAL SEQUENCE #4 - CONSTANT VOLUME SUPPLY W/ REHEAT, CONSTANT VOLUME EXHAUST AND FUME HOOD
SCALE: NONE



5 AIR TERMINAL SEQUENCE #5 - CONSTANT VOLUME SUPPLY W/ REHEAT, ACTIVE CHILLED BEAM AND CONSTANT VOLUME EXHAUST
SCALE: NONE



6 RADIANT CEILING PANEL
SCALE: NONE

GENERAL NOTES

1. REFER TO FLOOR PLANS, DETAILS AND SCHEDULES FOR LOCATION OF EQUIPMENT. ADDITIONAL VALVES AND PIPING SPECIALTIES AND CAPACITIES/SIZES OF EQUIPMENT.
2. CONTROL DEVICES/INSTRUMENTATION SHOWN HERE ARE MINIMUM. PROVIDE ADDITIONAL CONTROL DEVICES AS REQUIRED TO MEET THE SPECIFIED CONTROL SEQUENCES.

PLAN NOTES

1. REFER TO PLAN DRAWINGS FOR QUANTITIES AND LOCATIONS OF SENSORS.
2. SINGLE SUPPLY AIR TERMINAL SERVES MULTIPLE SPACES. REFER TO PLAN DRAWINGS FOR QUANTITIES AND LOCATIONS OF AIR TERMINALS.
3. OCCUPANCY SENSORS PROVIDED AS PART OF LIGHTING CONTROL. REFER TO PLANS FOR QUANTITIES AND LOCATIONS.

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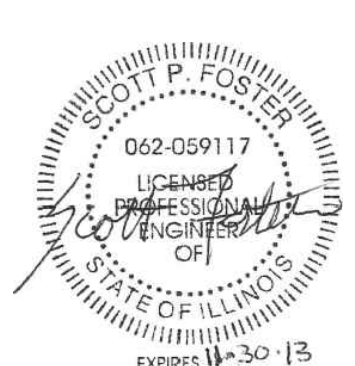
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SEALS AND SIGNATURES



ISSUED FOR CONSTRUCTION

REV. NO. DESCRIPTION BY APVD DATE

07/09/12

Argonne NATIONAL LABORATORY

FMS Facilities Management Services

PROJECT TITLE ADVANCED PROTEIN CRYSTALLIZATION FACILITY, ARGONNE NATIONAL LABORATORY

PROJECT NO 08541-00

DRAWING TITLE

AIR TERMINAL DEVICE - ACTIVE CHILLED BEAM DIAGRAM

DESIGNED AEI A/E CAD FILE

DRAWN AEI M5.1.5

CHECKED AEI M5.1.5

PROJECT MANAGER AEI DWG STATE

ANL - JESSE ADAMS DATE - 05/06/11 BND ORDER

FACILITY DOCUMENT NUMBER J446-101-W- M5.1.5 0